

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, Northeast</b>				
<b>GRUNDY COUNTY --- 0.5 W MORRIS [41.37, -88.43]</b>				
	04/08/15 22:20 CST		0	Hail (1.25 in)
	04/08/15 22:24 CST		0	Source: Public
<b>MCHENRY COUNTY --- 3.3 NNE MARENGO [42.29, -88.57]</b>				
	04/08/15 23:04 CST		0	Hail (1.00 in)
	04/08/15 23:06 CST		0	Source: Law Enforcement
<b>WILL COUNTY --- SHOREWOOD [41.52, -88.20]</b>				
	04/08/15 23:07 CST		0	Hail (1.00 in)
	04/08/15 23:09 CST		0	Source: Public
<b>WILL COUNTY --- JOLIET [41.53, -88.10], 2.0 N JOLIET [41.56, -88.10]</b>				
	04/08/15 23:23 CST		0	Hail (0.75 in)
	04/08/15 23:32 CST		0	Source: Trained Spotter
<b>WILL COUNTY --- 1.5 NNW LIDICE [41.57, -88.11]</b>				
	04/08/15 23:28 CST		0	Hail (1.00 in)
	04/08/15 23:30 CST		0	Source: Public
<b>WILL COUNTY --- 0.7 S LOCKPORT [41.59, -88.05]</b>				
	04/08/15 23:30 CST		0	Hail (1.00 in)
	04/08/15 23:32 CST		0	Source: Public
<b>COOK COUNTY --- 0.5 E LEMONT [41.67, -87.99]</b>				
	04/08/15 23:48 CST		0	Hail (0.75 in)
	04/08/15 23:50 CST		0	Source: Emergency Manager
<b>COOK COUNTY --- 0.8 S MT PROSPECT [42.06, -87.93]</b>				
	04/09/15 09:42 CST		50K	Lightning
	04/09/15 09:42 CST		0	Source: Trained Spotter
Lightning struck a multi-family home on the 400 block of East Lincoln Street causing a fire.				
Scattered thunderstorms developed late in the evening on April 8th producing marginally severe hail. There was also a lightning strike in Mount Prospect that set a building on fire the morning of April 9th.				
<b>LEE COUNTY --- DIXON MUNI ARPT [41.83, -89.45]</b>				
	04/09/15 17:23 CST		0	Hail (1.75 in)
	04/09/15 17:30 CST		0	Source: Amateur Radio
Quarter to golf ball size hail was reported near Dixon.				
<b>LEE COUNTY --- 2.5 N FRANKLIN GROVE [41.87, -89.30], 5.1 WNW ASHTON [41.91, -89.30]</b>				
	04/09/15 17:32 CST		0	Hail (1.75 in)
	04/09/15 17:40 CST		0	Source: Trained Spotter
<b>WINNEBAGO COUNTY --- 2.6 S CHERRY VLY [42.19, -88.95], 2.2 SSE CHERRY VLY [42.20, -88.94]</b>				
	04/09/15 17:37 CST		0	Tornado (EF0, L: 0.87 mi , W: 25 yd)
	04/09/15 17:38 CST		0	Source: Emergency Manager
An emergency manager and trained spotters photographed a tornado that touched down south of Cherry Valley . The tornado did not produce any damage. The tornado continued into Boone County. (Tornado 1a of 7).				
<b>BOONE COUNTY --- 2.2 SSE CHERRY VLY [42.20, -88.94], 2.2 ESE CHERRY VLY [42.22, -88.91]</b>				

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	04/09/15 17:38 CST		0	Tornado (EF0, L: 1.97 mi , W: 25 yd)
	04/09/15 17:40 CST		0	Source: Emergency Manager

This is a continuation of a tornado that began in Winnebago County. An emergency manager and trained spotters photographed a tornado that touched down south of Cherry Valley. The tornado did not produce any damage. (Tornado 1b of 7).

### LEE COUNTY --- 1.7 NNE FRANKLIN GROVE [41.85, -89.29], 1.6 NW ASHTON [41.89, -89.24]

04/09/15 17:39 CST	1M	Tornado (EF1, L: 3.62 mi , W: 100 yd)
04/09/15 17:43 CST	0	Source: NWS Storm Survey

This is the beginning of the "Rochelle-Fairdale" EF-4 tornado. At its strongest, peak winds were estimated to be 200 mph. The tornado touched down just northeast of Franklin Grove. A large sheet metal building on IL-38 collapsed with failure of column anchorage. Several smaller sheet metal buildings were destroyed along E Gurler Road. Peak winds in Lee County were estimated to 110 mph. The tornado continued into Ogle County. (Tornado 2a of 7).

### OGLE COUNTY --- 4.7 ESE CARTHAGE [41.89, -89.24], 3.1 E MONROE CENTER [42.09, -88.94]

04/09/15 17:43 CST	10M	Tornado (EF4, L: 20.94 mi , W: 700 yd)
04/09/15 18:12 CST	0	Source: NWS Storm Survey

This is the second segment of the "Rochelle-Fairdale" EF-4 tornado. At its strongest, peak winds were estimated to be 200 mph which occurred during this segment of the storm. The tornado entered Ogle County just west of IL-38 and moved northeast where it ripped the roof off of a small barn. A neighborhood was hit on S Skare Court where damage was consistent with EF-3. Some of the homes had large sections of the roofs ripped off while some less well constructed homes (nails instead of bolts) had collapsed walls. The tornado continued northeast and intensified to EF-4 where several well constructed homes along South Richard Road and East Kuehl Court were completely destroyed with the slab swept clean. Several outbuildings were destroyed along East Hemstock Road and South Center Road. A residence on East Bethal Road received heavy damage with most of the outer walls collapsing. The tornado once again intensified to EF-4 near IL-251 and IL-64 where well constructed homes were swept clean off their foundation. A farmstead just northeast of the aforementioned intersection was also swept clean to the foundation. A heavy barn was thrown and rolled on East Lindenwood Road. In total, around 30 homes were damaged or destroyed around Rochelle. The tornado continued into Dekalb County just north of East Quarry Road. (Tornado 2b of 7).

### COOK COUNTY --- 2.3 WSW INVERNESS [42.10, -88.12]

04/09/15 17:45 CST	0	Hail (1.00 in)
04/09/15 17:45 CST	0	Source: Trained Spotter

### OGLE COUNTY --- 2.0 E MT MORRIS [42.05, -89.39]

04/09/15 17:45 CST	0	Hail (1.75 in)
04/09/15 17:45 CST	0	Source: Trained Spotter

### MCHENRY COUNTY --- 1.0 SE HUNTLEY [42.16, -88.40]

04/09/15 17:50 CST	0	Hail (1.00 in)
04/09/15 17:50 CST	0	Source: Trained Spotter

### MCHENRY COUNTY --- 0.7 N LAKE IN THE HILLS [42.19, -88.32]

04/09/15 17:56 CST	0	Hail (0.88 in)
04/09/15 17:56 CST	0	Source: Trained Spotter

### MCHENRY COUNTY --- CRYSTAL LAKE [42.23, -88.33]

04/09/15 17:58 CST	0	Hail (0.88 in)
04/09/15 17:58 CST	0	Source: Trained Spotter

### BOONE COUNTY --- 0.5 E CAPRON [42.40, -88.74]

04/09/15 18:04 CST	0	Hail (0.75 in)
04/09/15 18:04 CST	0	Source: CoCoRaHS

### OGLE COUNTY --- 2.9 ENE LINDENWOOD [42.06, -88.98], 3.3 ESE MONROE CENTER [42.07, -88.95]

04/09/15 18:05 CST	0	Tornado (EF0, L: 1.86 mi , W: 100 yd)
04/09/15 18:08 CST	0	Source: NWS Storm Survey

A brief satellite tornado formed over far eastern Ogle County. The tornado was confirmed during an aerial survey. (Tornado 3 of 7).

### DE KALB COUNTY --- 0.6 SW FAIRDALE [42.09, -88.94], 4.3 NNE FAIRDALE [42.15, -88.89]

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	04/09/15 18:12 CST	2	8M	Tornado (EF3, L: 4.83 mi , W: 700 yd)
	04/09/15 18:19 CST	11	0	Source: NWS Storm Survey

This is the third segment of the "Rochelle-Fairdale" EF-4 tornado. At its strongest, peak winds were estimated to be 200 mph. The tornado entered the county just southwest of Fairdale before directly hitting the small community. Peak winds were estimated at 165 mph in Dekalb County, rating this section of the tornado a high end EF-3. Approximately 71 homes in the community had been damaged, 17 of which had been completely destroyed with all walls collapsed or removed from the buildings. Some homes that were only nailed to the foundation were swept clean. Two fatalities and 11 injuries occurred in Fairdale. A 67-year-old woman and her neighbor, a 69-year-old woman, were both killed in their homes. The tornado began to shift north (left) at this point during its lifecycle as it left Fairdale. Several homes were heavily damaged with large sections of the roofs removed along Wheeler road and dozens of trees were snapped and uprooted. A few trees were debarked. The second story was ripped off of a home near the intersection of McNeal Road and Irene Road. A two-story rebar reinforced cinder block silo was destroyed. The tornado continued into Boone County just east of Irene Road. ( Tornado 2c of 7).

Direct Fatalities: F67PH, F69PH

### DE KALB COUNTY --- 3.5 NE FAIRDALE [42.13, -88.88], 5.0 N KIRKLAND [42.15, -88.85]

04/09/15 18:15 CST	5K	Tornado (EF1, L: 1.80 mi , W: 100 yd)
04/09/15 18:17 CST	0	Source: NWS Storm Survey

This tornado was identified from a storm chaser video and survey. Heavy damage to two small outbuildings occurred on Paulson Road. Maximum winds speeds were estimated to be 110 mph. The tornado continued into Boone County. ( Tornado 4a of 7).

### BOONE COUNTY --- 2.6 ESE IRENE [42.15, -88.85], 3.7 E IRENE [42.18, -88.83]

04/09/15 18:17 CST	75K	Tornado (EF1, L: 2.21 mi , W: 100 yd)
04/09/15 18:21 CST	0	Source: NWS Storm Survey

This is a continuation of a tornado that began in Dekalb County. This tornado was identified from a storm chaser video and survey. Three barns were destroyed on Pearl Street Road. Maximum winds speeds were estimated to be 110 mph. (Tornado 4b of 7).

### BOONE COUNTY --- 1.4 SSE IRENE [42.15, -88.89], 1.2 ESE IRENE [42.16, -88.88]

04/09/15 18:19 CST	0	Tornado (EF0, L: 0.75 mi , W: 25 yd)
04/09/15 18:20 CST	0	Source: NWS Storm Survey

This is the fourth segment of the "Rochelle-Fairdale" EF-4 tornado. At its strongest, peak winds were estimated to be 200 mph. The tornado entered Boone County just east of Irene Road. No damage occurred and the tornado lifted shortly after entering the county. ( Tornado 2d of 7).

### BOONE COUNTY --- 3.3 S BELVIDERE [42.20, -88.85], 3.0 S BELVIDERE [42.21, -88.84]

04/09/15 18:24 CST	20K	Tornado (EF0, L: 0.42 mi , W: 30 yd)
04/09/15 18:25 CST	0	Source: NWS Storm Survey

This was a satellite tornado that formed from the same storm that formed the long tracked EF-4 tornado. A small zoo was heavily damaged with walls collapsed on several outbuildings and small barns. Three animals were killed. Softwood trees 4 to 6 inches in diameter were snapped. The estimated peak wind was 85 mph. (Tornado 5 of 7).

### BOONE COUNTY --- 2.1 NW HERBERT [42.19, -88.77], 0.6 SW GARDEN PRAIRIE [42.24, -88.74]

04/09/15 18:25 CST	0.15M	Tornado (EF1, L: 3.92 mi , W: 50 yd)
04/09/15 18:31 CST	0	Source: NWS Storm Survey

Witnesses said the tornado touched down in a field then moved northeast destroying a detached garage. The tornado ripped the roof off of a home though the walls mainly remained intact. Several hardwood trees were snapped. Maximum wind speeds were estimated to be 110 mph. (Tornado 6 of 7).

### WINNEBAGO COUNTY --- 0.7 NNW CHERRY VLY [42.24, -88.96]

04/09/15 18:25 CST	0	Hail (1.75 in)
04/09/15 18:25 CST	0	Source: Trained Spotter

### MCHENRY COUNTY --- 2.5 NW HARTLAND [42.40, -88.53], 2.6 NNW HARTLAND [42.40, -88.53]

04/09/15 18:50 CST	0	Tornado (EF1, L: 0.32 mi , W: 30 yd)
04/09/15 18:51 CST	0	Source: NWS Storm Survey

A brief tornado snapped and uprooted 6 to 7 trees at a property on McGuire Road southeast of Harvard. Minor tree damage occurred on the north side of the road before ending. Maximum winds were estimated to 90 mph. ( Tornado 7 of 7).

### MCHENRY COUNTY --- 1.7 N UNION [42.26, -88.53]

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	04/09/15 19:08 CST		0	Hail (1.00 in)
	04/09/15 19:08 CST		0	Source: Trained Spotter
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<b>LA SALLE COUNTY --- 0.9 SE LOSTANT [41.14, -89.06]</b>				
	04/09/15 19:15 CST		0	Thunderstorm Wind (MG 61 kt)
	04/09/15 19:15 CST		0	Source: Trained Spotter
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<b>LA SALLE COUNTY --- 2.2 S LOSTANT [41.12, -89.08]</b>				
	04/09/15 19:15 CST		0	Hail (1.00 in)
	04/09/15 19:15 CST		0	Source: Trained Spotter
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<b>MCHENRY COUNTY --- 0.4 S WOODSTOCK [42.31, -88.45], 2.1 SSE HIGHLAND SHRS [42.32, -88.39]</b>				
	04/09/15 19:15 CST		0	Hail (1.00 in)
	04/09/15 19:20 CST		0	Source: Trained Spotter
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<b>MCHENRY COUNTY --- 1.4 SSE MC CULLOM LAKE [42.33, -88.29], 2.0 S MC HENRY [42.32, -88.27]</b>				
	04/09/15 19:15 CST		0	Hail (1.00 in)
	04/09/15 19:27 CST		0	Source: Amateur Radio
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<b>GRUNDY COUNTY --- 4.0 NNW COAL CITY [41.33, -88.31]</b>				
	04/09/15 19:59 CST		0	Thunderstorm Wind (MG 54 kt)
	04/09/15 19:59 CST		0	Source: NWS Employee
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<b>WILL COUNTY --- 0.5 E CHANNAHON [41.43, -88.22]</b>				
	04/09/15 20:23 CST		0	Hail (1.00 in)
	04/09/15 20:23 CST		0	Source: Trained Spotter
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<b>FORD COUNTY --- 0.7 S PAXTON [40.46, -88.10]</b>				
	04/09/15 20:43 CST		0	Hail (1.00 in)
	04/09/15 20:43 CST		0	Source: Trained Spotter

Seven tornadoes were confirmed in north central Illinois in the NWS Chicago CWA. Six of the tornadoes formed from a single supercell. The atmosphere was ripe for severe weather due to highly anomalous moisture and instability for early April across the region. A strong low pressure system advanced into this favorable air mass. Combined with robust wind shear, this helped to trigger these potent storms. A long tracked violent tornado destroyed numerous homes and farmsteads along its path across north central Lee, eastern Ogle, northwest Dekalb, and southern Boone counties. This path included the far northwest side of Rochelle, Interstate-39, and a direct hit in the community of Fairdale where two fatalities occurred. This was the strongest tornado in the NWS Chicago CWA since the F5 tornado that struck Plainfield, IL on August 28th, 1990.

### LAKE MICHIGAN

<b>WINTHROP HARBOR TO WILMETTE HARBOR IL COUNTY --- WAUKEGAN HARBOR [42.35, -87.81]</b>				
	04/09/15 19:30 CST		0	Marine Thunderstorm Wind (MG 79 kt)
	04/09/15 19:30 CST		0	Source: C-MAN Station

Severe thunderstorms moved over Lake Michigan producing a 91 mph wind gust at Waukegan Harbor.